

Amended Claim Sheet

(Mark-up Version)

24. (Twice Amended) [A method for proportioning foam concentrate into a
5 variable flow fire fighting fluid conduit, comprising:] The method of claim 39 that
includes

placing a pressurized fire fighting foam concentrate conduit in fluid
communication with a pressurized fire fighting fluid conduit remote from a fire fighting
fluid discharge nozzle; and

10 varying a first orifice in the fire fighting fluid conduit to maintain a pre-
determined pressure drop in said conduit of a value less than a fire fighting fluid
discharge pressure drop[; and

varying in concert with the first orifice a second orifice in the foam concentrate
conduit such that foam concentrate is proportioned into the fire fighting fluid].

15 33. (Twice Amended) [Apparatus for proportioning fire fighting foam
concentrate into a variable flow fire fighting fluid conduit, comprising:] The apparatus of
claim 44 that includes

a pressurized fire fighting foam concentrate conduit in fluid communication with
a pressurized fire fighting fluid conduit remote from a fire fighting fluid discharge
20 nozzle; and

a pilot valve in fluid communication with the fire fighting fluid conduit,
structured to vary a first orifice in the fire fighting fluid conduit to maintain a pre-
determined pressure drop in said conduit of a value less than a fire fighting fluid
discharge pressure drop[; and

25 a second orifice in the foam concentrate conduit adapted to vary in concert with
the first orifice such that foam concentrate is proportioned into the fire fighting fluid].

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Substitute Claim Sheet

C1
24. (Twice Amended) The method of claim 39 that includes
placing a pressurized fire fighting foam concentrate conduit in fluid
communication with a pressurized fire fighting fluid conduit remote from a fire fighting
fluid discharge nozzle; and
varying a first orifice in the fire fighting fluid conduit to maintain a pre-
determined pressure drop in said conduit of a value less than a fire fighting fluid
discharge pressure drop.

C2
33. (Twice Amended) The apparatus of claim 44 that includes
a pressurized fire fighting foam concentrate conduit in fluid communication with
a pressurized fire fighting fluid conduit remote from a fire fighting fluid discharge
nozzle; and
a pilot valve in fluid communication with the fire fighting fluid conduit,
structured to vary a first orifice in the fire fighting fluid conduit to maintain a pre-
determined pressure drop in said conduit of a value less than a fire fighting fluid
discharge pressure drop.

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